PATENT ABSTRACTS OF JAPAN

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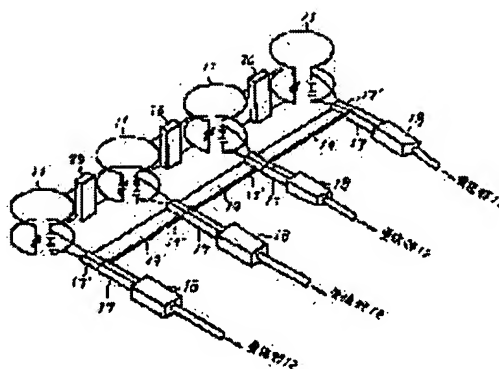| (21)Application number : 04-066824	(71)Applicant : TOSHIBA CORP
(22)Date of filing : 25.03.1992	(72)Inventor : YOSHIOKA HIDEKI OKAMOTO KAZUYA

(54) MAGNETIC RESONANCE VIDEO DEVICE

(57)Abstract:

PURPOSE: To obtain a reconstituted image being free from deterioration of a picture quality caused by influence of coupling between adjacent surface coils by setting a connecting middle point of a pair of floating capacities of equal capacitance connected in series, as a high frequency ground point of a surface coil, and connecting electrically the high frequency ground points of each surface coil.

CONSTITUTION: Plural surface coils 11 are connected to a pre-amplifier 18, respectively through a signal cable 17 such as a coaxial cable, etc., and also, connected to a receiving part 12 through the pre-amplifier 18. Also, between each surface coil 11, a decoupling device 20 is provided. Subsequently, an outer conductor 17' of each signal cable 17 is connected electrically by a conductor 19 of a copper plate, etc. Accordingly, an electric middle point corresponding to the ground of each surface coil 11 becomes an equal potential. In such a way, decoupling between the adjacent surface coils using a bridge circuit and its adjustment can be executed exactly without being influenced by the signal cable.

LEGAL STATUS

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